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| SERIAL NUMBER | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY SOCKET NO. |
|---------------|-------------|----------------------|---------------------|
| 077694,119 | 05/01/79 | GERKE | D 21.763 |

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CLASSIFICATION: VU3H

PATENT UNIT: 322
PAPER NUMBER: 3

DATE OF ACTION: 09/03/91

This is a communication from the examiner in charge of your application.
COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined ☐ Responsive to communication filed on _____ ☐ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), — days from the date of this letter.
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input checked="" type="checkbox"/> Notice re Patent Drawing, PTO-948. |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449. | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474. | 6. <input type="checkbox"/> _____ |

Part II SUMMARY OF ACTION

1. ☒ Claims 1-3 are pending in the application.
Of the above, claims _____ are withdrawn from consideration.
2. ☐ Claims _____ have been cancelled.
3. ☐ Claims _____ are allowed.
4. ☒ Claims 1-3 are rejected.
5. ☐ Claims _____ are objected to.
6. ☐ Claims _____ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on _____. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable; ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).
10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on _____, has (have) been ☐ approved by the examiner; ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed _____, has been ☐ approved; ☐ disapproved (see explanation).
12. ☒ Acknowledgement is made of the claim for priority under U.S.C. 119. The certified copy has ☒ been received ☐ not been received ☐ been filed in parent application, serial no. _____; filed on _____.
13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

EXAMINER'S ACTION

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

2. (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 1 is rejected under 35 U.S.C. § 102(b) as being anticipated by Di Stefano et al.

4. Fig. 2 of Stefano et al. shows a connector comprising connecting elements 33a & 34a for electrical connection to cable wires 23; contact elements 29 & 30 for electrical connection with circuit board 27 having a contact pin member where it connects to the circuit board and a plug connector member where it inserts into the fork contact 35.

5. The following is a quotation of 35 U.S.C. § 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

6. Claims 2 and 3 are rejected under 35 U.S.C. § 103 as being unpatentable over Di Stefano et al. in view of Casagrande.

7. Di Stefano et al., in Fig. 2 has been described above. Stefano does not show the contact elements 29 and 30 are formed as a fork-type contact but shows the connecting elements 35 are formed of fork-type contact for engaging with the contact element. Casagrande, in Fig. 3 shows a connector comprising contact elements 150 are formed of fork-type contact with shoulders on the sides of the contact elements and being connected to the circuit board as shown in Fig. 8, the fork-type contacts are received the bottom portion of the connecting elements 30 as shown in Fig. 4B. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the connector of Stefano et al. by provide the fork-type contacts for the contacts elements 29 & 30 and the pin contacts which connects to the wires 23 for the connecting elements 35 as taught by Casagrande and would be an obvious reversal of parts.

8. Claims 1-3 are rejected under 35 U.S.C. § 103 as being unpatentable over Teichler et al. in view of Casagrande.

9. Teichler et al., in Fig. 2 show a connector comprising connecting elements 22 for electrical connection to cable wires 28. Teichler et al. do not show separate contact elements for electrical connection with the connecting elements and the

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circuit board. Casagrande, in Fig. 3 as described above shows separate contact elements 150 for electrical connection with the connecting elements 30 and the circuit board. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the connector of Teichler et al. with contact elements, as taught by Casagrande, in order to establish connection from the connecting elements to the circuit board.

10. Ellison et al. and Pohl are cited for their disclosures of electrical connectors having separate contact elements for connecting between the connecting elements of the wires and the circuit board.

11. Keglewitsch and Wilson are cited for their disclosures of electrical connectors having a fork-type contact with shoulders.

12. Any inquiry concerning this communication should be directed to Hien D. Vu at telephone number (703) 308-1736.

Vu/cs *HV*
August 26, 1991

L. I. Schwartz

Larry I. Schwartz
SPE
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